



# Keystone Ag Digest

Cooperating with the Pennsylvania Department of Agriculture

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This publication may be found on the Internet at  
[www.nass.usda.gov/pa](http://www.nass.usda.gov/pa) and click on "Pennsylvania Publications."

**Note to Survey Respondents:** Results of many surveys we conduct throughout the year are included in this report! Most survey results are **not** published individually. **Thank you** for taking the time to complete our surveys!

## MILK PRODUCTION

Milk production in Pennsylvania during January 2007 totaled 900 million pounds, 2.1 percent below last January's production of 919 million pounds. The number of milk cows in the state during the month averaged 549,000 head, unchanged head from December but 8,000 head less than January 2005. Production per cow averaged 1,640 pounds for the month of January, 20 pounds more than December's estimate of 1,620 pounds, but 10 pounds less than January a year ago. Pennsylvania's milk production for 2006 totaled 10,742 billion pounds, up 239 million pounds or 2.3 percent from 2005. Pennsylvania ranked fifth in milk production for 2006, behind California, Wisconsin, New York, and Idaho. The average number of milk cows during the year was 554,000, which was 7,000 less than the previous year. Production per cow during 2006 totaled 19,390 pounds, compared to 18,722 pounds during 2005.

Milk production in the 23 states surveyed during January 2007 totaled 14.2 billion pounds, up 1.4 percent from production in these same states in January 2006. December revised production, at 14.0 billion pounds, was up 2.8 percent from December 2005. Production per cow averaged 1,719 pounds for January, 8 pounds above January 2006. The number of milk cows on farms averaged 8.28 million head, 81,000 head more than January 2006, and 3,000 head more than December 2006. The annual production of milk for the U.S. during 2006 was 182 billion pounds, 2.8 percent above 2005. Revisions to 2005 production decreased the annual total by 60 million pounds. Revised 2006 production was down slightly from last month's publication. Average milk production per cow in the U.S. for 2006 averaged 19,951 pounds, 386 pounds above 2005. Average annual rate of milk production per cow has increased 18.3 percent from 1997. The average number of milk cows on farms in the U.S. during 2006 was 9.11 million head, up 0.8 percent from 2005. Average number of milk cows was revised up 2,000 head for 2005, and down 3,000 head for 2006.

## DAIRY PRODUCTS

United States' butter production was 138 million pounds, 9.5 percent above December 2005 and 17.3 percent above November 2006. Total cheese output (excluding cottage cheese) was 829 million pounds, 3.8 percent above December 2005 and 4.8 percent above November 2006. Italian type cheese production totaled 352 million pounds, 4.7 percent above December 2005 and 7.8 percent above November 2006. American type cheese

production totaled 340 million pounds, 3.0 percent above December 2005 and 8.0 percent above November 2006. Frozen desserts: (comparisons with December 2005): Ice cream, Regular (hard) – 49.4million gallons, down 10.0 percent; Ice cream, Lowfat (total) – 23.1 million gallons, up 6.2 percent; Sherbet (hard) – 2.94 million gallons, down 14.3 percent; Frozen Yogurt (total) – 3.80 million gallons, down 14.7 percent.

## PRODUCTION OF SELECTED DAIRY PRODUCTS

Products	Dec 2005	Nov 2006	Dec 2006
000 Lbs.			
<b>PENNSYLVANIA</b>			
Butter .....	6,926	6,306	7,036
Ice Cream .....	2,797	2,453	2,065
<b>UNITED STATES</b>			
Butter .....	125,953	117,560	137,884
<b>Cheese:</b>			
American Types .....	330,135	314,945	340,032
Swiss .....	26,944	25,146	27,001
Brick and Muenster .....	8,706	9,007	8,664
Cream and Neufchatel .....	63,718	77,794	62,988
Mozzarella .....	267,803	257,433	279,616
Other Italian .....	68,204	68,691	72,027
Total Italian Types .....	336,007	326,124	351,643
All Other .....	18,667	23,521	23,938
Total .....	798,909	791,127	828,973
NF Dry Milk, Human .....	103,711	80,018	114,743
Yogurt, Plain & Flavored .....	225,908	230,109	246,508
000 Gal.			
<b>FROZEN PRODUCTS:</b>			
Ice Cream, Hard .....	54,854	56,749	49,396
Ice Cream, Lowfat .....	21,726	22,837	23,071
Ice Cream, Nonfat .....	1,153	759	743
Sherbet, Hard .....	3,436	3,151	2,943
Frozen Yogurt, Total .....	4,460	4,250	3,803
<b>FOR PRODUCTS:</b>			
Ice Cream Mix .....	30,102	31,882	27,227
Ice Cream Mix, Lowfat .....	12,531	13,118	13,249
Ice Cream Mix, Nonfat .....	800	509	480
Sherbet Mix .....	2,533	2,199	2,087
Yogurt Mix .....	2,905	2,576	2,305

## MILK COWS & MILK PRODUCTION

Item	Unit	Pennsylvania			23 States		
		Jan 2006	Dec 2006	Jan 2007	Jan 2006	Dec 2006	Jan 2007
Milk Cows .....	Thous.	557	549	549	8,198	8,276	8,279
Milk Per Cow .....	Lbs.	1,650	1,620	1,640	1,711	1,690	1,719
Milk Production .....	Mil. Lbs.	919	889	900	14,027	13,983	14,228

## CROP VALUES

Crop Values includes average prices and value of production for major field crops and many specialty crops. All prices are marketing year average (MYA) prices which do not include allowances or adjustments for commodities under government loan at the end of the marketing year, commodities forfeited to the Commodity Credit Corporation, loan deficiency payments, direct and counter cyclical payments, or disaster payments.

Each State MYA price is based on sales in the months comprising its marketing year, while United States marketing year averages are based on sales during the standard U.S. marketing year for each crop.

United States monthly prices, for all crops in the monthly price estimating program, are computed by weighting monthly State prices by monthly marketings for each State. United States MYA prices for corn, sorghum, oats, barley, wheat, rice, soybeans, peanuts, flaxseed, sunflower, upland cotton, dry edible beans, chickpeas (garbanzo beans), dry edible peas, Austrian winter peas, and lentils are computed by weighting U.S. monthly prices by monthly marketings for the U.S. marketing year. The U.S. MYA price for hay is computed similarly. However, State prices and marketings used in the U.S. MYA price calculations vary by month due to the U.S. marketing year extending

over a 14-month period. For all other crops, U.S. MYA prices are computed by weighting State MYA prices by the estimated production in each State.

State and U.S. preliminary 2006 MYA prices for corn, sorghum, oats, barley, wheat, rice, soybeans, flaxseed, sunflower, upland cotton, dry edible beans, chickpeas (garbanzo beans), dry edible peas, Austrian winter peas, lentils, peanuts, and potatoes are based on entire month price data through December 2006 and, except for cotton and peanuts, allowances are made for the portion of the 2006 crop to be marketed during the remainder of each crop's 2006 marketing year. State MYA prices for crops not in the monthly price program are based on annual surveys.

State value of production is computed by multiplying each State price by its production. Value of production for the U.S. is the sum of State values for all States listed for the crop. Value of production estimates relate to the crop year. These estimates should not be confused with cash receipts, which relate to sales during a calendar year irrespective of the year of production.

### SUMMARY OF CROP VALUES, 2004-2006

Crop	Price per Bushel			Value of Production		
	2004	2005	2006	2004	2005	2006
	Dollars			(000) Dollars		
<u>CORN FOR GRAIN</u>						
Pennsylvania .....	2.25	2.30	3.55	308,700	269,376	415,776
United States .....	2.06	2.00	3.20	24,381,294	22,198,472	33,837,454
<u>WINTER WHEAT</u>						
Pennsylvania .....	3.40	3.50	3.60	22,491	27,405	31,860
United States .....	3.32	3.32	4.20	4,948,510	4,954,276	5,397,432
<u>OATS</u>						
Pennsylvania .....	1.89	2.28	2.10	11,435	13,794	14,4784
United States .....	1.48	1.63	1.85	178,327	195,150	174,288
<u>BARLEY</u>						
Pennsylvania .....	2.20	1.87	1.70	7,502	6,328	6,334
United States .....	2.48	2.53	2.85	698,184	527,633	497,573
<u>SOYBEANS</u>						
Pennsylvania .....	5.43	5.60	5.75	106,157	96,432	97,750
United States .....	5.74	5.66	6.20	17,894,948	17,269,138	19,693,861
	Price Per Ton – Dollars					
<u>ALL HAY <sup>1 2</sup></u>						
Pennsylvania .....	122.00	134.00	140.00	528,024	461,753	712,750
United States .....	92.00	98.20	109.00	12,211,868	12,584,783	13,506,119
	Price Per Pound					
<u>ALL TOBACCO <sup>3</sup></u>						
Pennsylvania .....	1.352	1.399	1.621	10,953	14,973	26,328
United States .....	1.984	1.642	1.672	1,749,856	1,059,324	1,214,938
	Price Per Cwt. – Dollars					
<u>SORGHUM FOR GRAIN</u>						
Pennsylvania .....	4.16	4.75	5.85	773	532	1,081
United States .....	3.19	3.33	5.90	843,464	737,038	871,885
<u>FALL POTATOES <sup>4</sup></u>						
Pennsylvania .....	7.45	11.40	9.75	19,668	31,350	26,618
United States .....	5.08	6.53	6.73	2,090,058	2,504,612	2,637,995

<sup>1</sup> Baled Hay. <sup>2</sup> Estimated marketings of alfalfa and all other hay used weights to calculate all hay price. <sup>3</sup> For States with more than one type of tobacco marketed, the value of production is the sum of the individual types' values. <sup>4</sup> 2004 and 2005 Total and US price per cwt is derived from value of sales. 2006 is derived from value of production.

## CATTLE INVENTORY

Pennsylvania farmers had 1,600,000 cattle and calves on hand on January 1, 2007, up 10,000 head from the January 1, 2006 level. The Keystone State's calf crop for 2006 was 620,000 up 10,000 head from one year ago. All cows that have calved, at 700,000, was down 10,000 head from last year. Milk cow inventory, at 550,000, is down 8,000 head from January 1, 2006. Beef cows totaled 150,000, down 2,000 head from last year's beef cow inventory. Milk cow replacement heifers 500 pounds and over, at 270,000, is down 5,000 head from last year's number. Beef cow replacement heifers, at 40,000, remained unchanged from last year.

Other heifers 500 pounds and over, at 65,000, was up 20,000 head from January 1, 2006. Steers in the same weight category, at 160,000, increased 7 percent from last year's level. Bulls, at 25,000, were the same as January 1, 2006. All calves under 500 pounds, at 340,000, were down 5,000 head from last year.

Primary data used in making cattle estimates for Pennsylvania and the United States were obtained from a sample of about 50,000 agricultural producers in the United States using probability surveys. Information was collected by mail, telephone and personal interview.

**UNITED STATES** – All cattle and calves in the United States as of January 1, 2007, totaled 97.0 million head, slightly above the 96.7 million on January 1, 2006.

The 2006 calf crop was estimated at 37.6 million head, down slightly from 2005. Calves born during the first half of the year are estimated at 27.4 million, up slightly from 2005. All cows and heifers that have calved, at 42.0 million, were down slightly from the 42.1 million on January 1, 2006. Milk cows, at 9.13 million, were up 1 percent from January 1, 2006. Beef cows, at 32.9 million, were down slightly from January 1, 2006. Milk replacement heifers, at 4.31 million, are up 1 percent. Beef replacement heifers, at 5.88 million, are down slightly.

Other class estimates on January 1, 2006 and the change from January 1, 2006, are as follows:

- All heifers 500 pounds and over, 20.1 million, up 1 percent.
- Other heifers, 9.90 million, up 1 percent.
- Steers weighing 500 pounds and over, 17.2 million, up 2 percent.
- Bulls weighing 500 pounds and over, 2.22 million, down 2 percent.



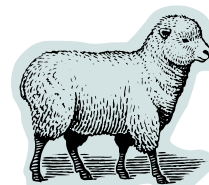
- Calves under 500 pounds, 15.5 million, down slightly.
- Cattle and calves on feed for slaughter in all feedlots, 14.3 million, up 1 percent.
- The combined total of calves under 500 pounds, and other heifers and steers over 500 pounds outside of feedlots, 28.3 million, up 1 percent.

## SHEEP INVENTORY

All sheep and lamb inventory in Pennsylvania on January 1, 2007 totaled 108,000, down 2 percent from the previous year. Total inventory included 81,000 breeding ewes one year old and older, up 11 percent from January 1, 2006. There were 11,000 replacement lambs, down 27 percent from last year's total. Rams one year old and older totaled 5,000, which is 17 percent less than a year ago. Market sheep and lambs totaled 11,000 on January 1, 2007, down 31 percent from last year. Of this total, 9,000 were market lambs and 2,000 were market sheep. The 2006 lamb crop of 92,000 head was up from 2005. The 2006 lambing rate was 126 lambs per 100 ewes one year old and older on hand January 1, 2006, down from 140 lambs per 100 ewes the previous year.

All sheep and lamb inventory in the United States on January 1, 2007, totaled 6.19 million head, down 1 percent from 2006. Breeding sheep inventory decreased to 4.62 million head on January 1, 2007, down slightly from 4.64 million head on January 1, 2006. Ewes one year old and older, at 3.71 million head, were 1 percent above last year. Market sheep and lambs on January 1, 2007 totaled 1.57 million head, down 2 percent from January 1, 2006. Market lambs comprised 94 percent of the total marketings. Of the number of market lambs, 25 percent were lambs under 65 pounds, 14 percent were 65 - 84 pounds, 25 percent 85 - 105 pounds, and 36 percent were over 105 pounds. Market sheep comprised the remaining 6 percent of total marketings. The 2006 lamb crop of 4.09 million head was down 1 percent from 2005. The 2006 lambing rate was 112 lambs per 100 ewes one year old and older on January 1, 2006, down 3 percent from 2005.

Shorn wool production in the United States during 2006 was 36.0 million pounds, down 3 percent from 2005. Sheep and lambs shorn totaled 4.85 million head, down 4 percent from 2005. The average price paid for wool sold in 2006 was \$0.68 per pound for a total value of \$24.4 million dollars, down 7 percent from \$26.3 million dollars in 2005.



## **CATTLE & CALVES: JANUARY 1, 2006-2007**

Class	Pennsylvania			United States		
	2006	2007	2007/2006	2006	2007	2007/2006
	(000) Head		Percent	(000) Head		Percent
Cattle & Calves.....	1,590	1,600	101	96,701.5	97,002.9	100
All Cows That Have Calved.....	710	700	99	42,056.4	42,023.2	100
Beef Cows .....	152	150	99	32,993.5	32,894.2	100
Milk Cows .....	558	550	99	9,062.9	9,129.0	101
Heifers 500 Pounds & Over.....						
For Beef Cow Replacement .....	40	40	100	5,903.5	5,877.4	100
For Milk Cow Replacement .....	275	270	98	4,275.0	4,309.9	101
Other Heifers .....	45	65	144	9,805.4	9,898.8	101
Steers 500 Pounds & Over.....	150	160	107	16,933.1	17,222.0	102
Bulls 500 Pounds & Over .....	25	25	100	2,262.8	2,215.4	98
Calves Under 500 Pounds .....	345	340	99	15,465.3	15,456.2	100
Calf Crop .....	620	-	-	37,566.7	-	-
Cattle & Calves On Feed.....	75	75	100	14,131.9	14,268.7	101

## FARMS AND LAND IN FARMS

The number of farms in the Commonwealth in 2006 is estimated at 58,200, unchanged from 2005. Land in farms totaled 7,650,000 acres, down 50,000 acres from last year. The average farm size was 131 acres, down one acre from the previous year.

The number of farms in the United States in 2006 is estimated at 2.09 million, 0.4 percent fewer than in 2005. Total land in farms, at 932.4 million acres, decreased 780 thousand acres, or 0.08 percent, from 2005. The average farm size was 446 acres during 2006, an increase of one acre from the previous year. The decline in the number of farms and land in farms reflects a continuing consolidation in farming operations and diversion of agricultural land to nonagricultural uses.

### NUMBER OF FARMS & LAND IN FARMS <sup>1</sup>

Year	Number of Farms	Land in Farms	Average Size of Farm
	<i>Number</i>	<i>(000) Acres</i>	<i>Acres</i>
<b>PENNSYLVANIA</b>			
2005	58,200	7,700	132
2006	58,200	7,650	131
<b>UNITED STATES</b>			
2005	2,098,690	933,210	445
2006	2,089,790	932,430	446

<sup>1</sup> A farm is any establishment from which \$1,000 or more of agricultural products were sold or would normally be sold during the year.

The number of operations in Pennsylvania with cattle totaled 27,000 during 2006, down 4 percent from 2005. Beef cow operations totaled 12,000 unchanged from 2005. Milk cow operations totaled 8,700 down 2 percent from 2005. The number of operations with hogs 3,100, a decrease of 100 operations from 2005. The number of operations with sheep at 3,800 was an increase of 200 operations or 6 percent more than in 2005.

Nationally, the number of operations with cattle totaled 971,400 during 2006, down 1 percent from 2005. Beef cow operations in 2006 were down 1 percent from 2005. Milk cow operations were 4 percent below last year. The number of operations with hogs totaled 65,540 during 2006, down 3 percent from 2005. The number of operations with sheep totaled 69,090 during 2006, up 1 percent from 2005.

### NUMBER OF LIVESTOCK OPERATIONS:<sup>1</sup> 2005-2006

Specie	Pennsylvania		United States	
	2005	2006	2005	2006
	<i>Number of operations</i>			
Cattle & Calves	28,000	27,000	982,510	971,400
Beef Cows <sup>2</sup>	12,000	12,000	770,170	762,880
Milk Cows <sup>2</sup>	8,900	8,700	78,300	75,140
Hogs & Pigs	3,200	3,100	67,280	65,540
Sheep & Lambs	3,600	3,800	68,330	69,090

<sup>1</sup> An operation is any place having one or more head of a specie at any time during the year. <sup>2</sup> Included in operations with cattle.